

ABSTRACT

In a fuel injector assembly, for an internal combustion engine, a curved outer housing, fixed at one end, fully encloses a curved flexible fuel feed member, affixed to the housing inlet end and has a nozzle assembly operatively connected to an inner end, wherein the improvement comprises that the housing inlet includes at least one first shaped surface portion, and the nozzle assembly includes a movable nozzle spray-tip having another shaped surface portion that mates conformingly with and is in contact with the at least one shaped surface portion, resulting in relative motion therebetween upon operation of this engine, as a result of the thermal differential arising due to the differing temperatures of the housing and feed member.